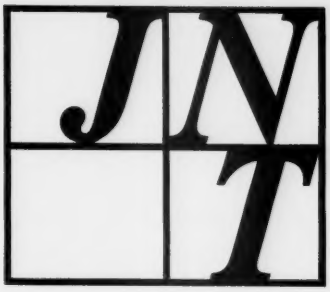
Journal of Neural Transmission

Volume 85

ISSN 0300-9564

1991



General Section

Springer-Verlag Wien NewYork

Journal of Neural Transmission

General Section

Managing Editor: A. Carlsson, Göteborg · Coordinating Editor: P. Riederer, Würzburg

Editorial Board

H. Beckmann, Würzburg
R. Cancro, New York, N.Y.
S. Gershon, Pittsburgh, Penn.
B. A. McMillen, Greenville, N.C.
T. Nagatsu, Nagoya
G. R. Siggins, La Jolla, Calif.
D. P. van Kammen, Pittsburgh, Penn.
P. Waldmeier, Basel
M. B. H. Youdim, Haifa
E. Zarifian, Caen

Advisory Board

H. Ågren, Uppsala
J. Ariëns Kappers, Laren N. H.
R. A. E. Bakay, Atlanta, Ga.
W. E. Bunney, Irvine, Calif.
D. P. Cardinali, Buenos Aires
A. Dahlström, Göteborg
J. Engel, Göteborg
R. W. Fuller, Indianapolis, Ind.
V. Gallo, Bethesda, Md.
D. C. German, Dallas
M. Goldstein, New York, N.Y.
A. A. Grace, Pittsburgh, Pa.
L. F. Gram, Odense
A. R. Green, London
J. Häggendal, Göteborg
M. Hamon, Paris
J. Hyttel, Kopenhagen
P. Jenner, London
B. B. Kaplan, Pittsburgh, Pa.
H. Kishimoto, Yokohama
D. C. Klein, Bethesda, Md.
G. W. Kreutzberg, München
D. A. Lewis, Pittsburgh, Pa.
L. Maître, Basel
J. Maj, Kraków
S. R. Marder, Los Angeles, Calif.
B. S. Meldrum, London
K. E. Moore, East Lansing, Mich.
W. E. Müller, Mannheim
D. L. Murphy, Bethesda, Md.
S.-O. Ögren, Södertälje
L. Oreland, Uppsala
R. J. Reiter, San Antonio, Tex.
G. P. Reynolds, Nottingham
J. Scheel-Krüger, Roskilde
J. C. Schwartz, Paris
T. H. Svensson, Stockholm
J. Traber, Köln
K. F. Tipton, Dublin
L. Vollrath, Mainz
F. Waldhauser, Wien
W. Waldhäusl, Wien
W. Wesemann, Marburg
F. J. White, Detroit
R. E. Wilcox, Austin
K. Zilles, Köln

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher. For copyright regulations and for further information, see the detailed "Instructions to Authors".

© 1991 by Springer-Verlag/Wien

Contents

Full Papers

Andersson, Y., s. Tedroff, J.
Antoni, G., s. Tedroff, J.
Arias, P., s. Romeo, H. E.
Arora, R. C., Meltzer, H. Y.: Serotonin$_2$ (5-HT$_2$) receptor binding in the frontal cortex of schizophrenic patients 19
Arora, R. C., s. Matsubara, S.
Askmark, H., s. Gillberg, P.-G.
Bjurling, P., s. Tedroff, J.
Budziszewska, B., s. Przegaliński, E.
Cano, J., s. Vizuete, M. L.
Cardinali, D. P., s. Romeo, H. E.
Carlsson, M., s. Svensson, A.
Comer, T. R., s. Means, L. W.
De Miguel, R., s. Fernández-Ruiz, J. J.
Dluzen, D. E., McDermott, J. L.: The effect of long-term treatment with deprenyl on basal and L-DOPA evoked dopamine release in vitro from the corpus striatum of aged rats 145
Dordain, G., s. Dostert, P.
Dostert, P., Strolin Benedetti, M., Dordain, G., Vernay, D.: Urinary elimination of salsolinol enantiomers in alcoholics 51
Escalante, A., s. Fernández-Guasti, A.
Fernández-Guasti, A., Escalante, A.: Role of presynaptic serotonergic receptors on the mechanism of action of 5-HT1A and 5-HT1B agonists on masculine sexual behaviour: physiological and pharmacological implications 95
Fernández-Ruiz, J. J., Hernández, M. L., De Miguel, R., Ramos, J. A.: Nigrostriatal and mesolimbic dopaminergic activities were modified throughout the ovarian cycle of female rat 223
Garcia, A. G., s. Jurkiewicz, N. H.
Gillberg, P.-G., Askmark, H.: Changes in cholinergic and opioid receptors in the rat spinal cord, dorsal root and sciatic nerve after ventral and dorsal root lesion 31
Grochmal, A., s. Przegaliński, E.
Hartvig, P., s. Tedroff, J.
Hernández, M. L., s. Fernández-Ruiz, J. J.
Herrera, A. J., s. Vizuete, M. L.
Hoban, T. M., Lewy, A. J., Sack, R. L., Singer, C. M.: The effects of shifting sleep two hours within a fixed photoperiod 61
Inoue, O., Kobayashi, K., Tsukada, H., Itoh, T., Langstrom, B.: Difference in in vivo receptor binding between [^{3}H]N-methylspiperone and [^{3}H]raclopride in reserpine-treated mouse brain 1
Itoh, T., s. Inoue, O.
Jurkiewicz, N. H., Jurkiewicz, A., Garcia, A. G.: Reinnervation of the transplanted vas deferens: differential recovery of various biochemical and pharmacological parameters 83
Jurkiewicz, A., s. Jurkiewicz, N. H.
Kobayashi, K., s. Inoue, O.

Langstrom, B., s. Inoue, O.
Långström, B., s. Tedroff, J.
Leander, J. D., s. Schoepp, D. D.
Lewy, A. J., s. Hoban, T. M.
McDermott, J. L., s. Dluzen, D. E.
Machado, A., s. Vizuete, M. L.
Maes, M., Minner, B., Suy, E., Vandervorst, C., Raus, J.: Coexisting dysregulations of both the sympathoadrenal system and hypothalamic-pituitary-adrenal-axis in melancholia 195
Maj, J., Rogóż, Z., Skuza, G.: Antidepressant drugs increase the locomotor hyperactivity induced by MK-801 in rats 169
Matsubara, S., Arora, R. C., Meltzer, H. Y.: Serotonergic measures in suicide brain: 5-HT_{1A} binding sites in frontal cortex of suicide victims 181
Means, L. W., Comer, T. R., Moore, R.: BMY 21502 and piracetam facilitate performance of two-choice win-stay water-escape in normal rats 109
Meltzer, H. Y., s. Arora, R. C.
Meltzer, H. Y., s. Matsubara, S.
Minner, B., s. Maes, M.
Moguilevsky, J. A., s. Romeo, H. E.
Moore, R., s. Means, L. W.
Ornstein, P. L., s. Schoepp, D. D.
Pileblad, E., s. Svensson, A.
Przegaliński, E., Budziszewska, B., Grochmal, A.: Oxaprotiline enantiomers stimulate ACTH and corticosterone secretion in the rat 211
Ramos, J. A., s. Fernández-Ruiz, J. J.
Raus, J., s. Maes, M.
Rogóż, Z., s. Maj, J.
Romeo, H. E., Arias, P., Szwarcfarb, B., Moguilevsky, J. A., Cardinali, D. P.: Hypothalamic luteinizing hormone-releasing hormone content and serum luteinizing hormone levels in male rats during wallerian degeneration of sympathetic nerve terminals after superior cervical ganglionectomy 41
Sack, R. L., s. Hoban, T. M.
Salhoff, C. R., s. Schoepp, D. D.
Santiago, M., s. Vizuete, M. L.
Schoepp, D. D., Ornstein, P. L., Salhoff, C. R., Leander, J. D.: Neuroprotectant effects of LY 274614, a structurally novel systemically active competitive NMDA receptor antagonist 131
Singer, C. M., s. Hoban, T. M.
Skuza, G., s. Maj, J.
Strolin Benedetti, M., s. Dostert, P.
Suy, E., s. Maes, M.
Svensson, A., Pileblad, E., Carlsson, M.: A comparison between the non-competitive NMDA antagonist dizocilpine (MK-801) and the competitive NMDA antagonist D-CPPene with regard to dopamine turnover and locomotor-stimulatory properties in mice 117
Szwarcfarb, B., s. Romeo, H. E.
Tedroff, J., Hartvig, P., Bjurling, P., Andersson, Y., Antoni, G., Långström, B.: Central action of benserazide after COMT inhibition demonstrated in vivo by PET 11
Tsukada, H., s. Ioue, O.
Vandervorst, C., s. Maes, M.
Venero, J. L., s. Vizuete, M. L.
Vernay, D., s. Dostert, P.
Vizuete, M. L., Santiago, M., Herrera, A. J., Venero, J. L., Machado, A., Cano, J.: Effects of neonatal bilateral eye enucleation on postnatal development of the monoamines in posterior thalamus of the rat 231

Short Communications

Cardinali, D. P., s. Rosenstein, R. E.
Golombek, D. A., s. Rosenstein, R. E.
Guyda, H., s. Lal, S.
Kanterewicz, B. I., s. Rosenstein, R. E.
Lal, S., Vasavan Nair, N. P., Thavundayil, J. X., Tawar, V., Quirion, R., Guyda, H.: Stereospecificity of the dopamine receptor mediating the growth hormone response to apomorphine in man 157
Quirion, R., s. Lal, S.
Rosenstein, R. E., Golombek, D. A., Kanterewicz, B. I., Cardinali, D. P.: Time-dependency for the bimodal effect of melatonin on calcium uptake in rat hypothalamus 243
Tawar, V., s. Lal, S.
Thavundayil, J. X., s. Lal, S.
Vasavan Nair, N. P., s. Lal, S.

Rapid Communication

Carlsson, A., s. Svensson, A.
Carlsson, M., s. Svensson, A.
Svensson, A., Carlsson, M., Carlsson, A.: Synergistic interactions between the NMDA antagonist dizocilpine and the preferential dopamine autoreceptor antagonists (+)-AJ 76 and (+)-UH 232 with regard to locomotor stimulation in monoamine-depleted mice 69

Abstracted/Indexed in:
Current Contents,
SCI, ASCA, and ISI/BIOMED, Biosis,
Current Awareness in Biological Sciences,
Reference Update